



Arizona Department of Transportation
Intermodal Transportation Division

206 South Seventeenth Avenue Phoenix, Arizona 85007-3213

Janice K. Brewer
Governor

John S. Halikowski
Director

June 21, 2011

Floyd Roehrich Jr.
State Engineer

TO: ALL ADOT Consultants and Drainage Designers

THRU: ADOT Engineering Consultants Services

RE: Drainage Design – HEC-22, Third Edition, September 2009
URBAN DRAINAGE DESIGN MANUAL

ADOT is in the process of developing a separate Drainage Design Guidelines manual, along with initiatives to revise its current hydrology and hydraulics manuals. It is desired to synchronize these three manuals at the completion of these projects. In the meantime policies and guidelines changes that are being enacted or revamped by this office will continue to be broadcast to designers and reviewers, to be implemented IMMEDIATELY, until the above work is completed.

ADOT is requiring that all consultants performing drainage design work adopt the use of the latest edition of HEC-22 manual and the revised methods of analysis inherent within. The method of analysis for storm drain transition losses is markedly different in the current manual compared to the old and is a vast improvement to the procedures. Any designs performed with the old methods will no longer be accepted for ADOT project. Current computer programs that may still be computing with the old methods should not be used. The engineer should document in the drainage report that the methods used in the computer program for the analysis are current.

Please adhere to this policy and implement it on all on-going and future ADOT projects, and feel free to contact the Drainage Office with any questions you may have.

Ken Akoh-Arrey, PE
Chief Drainage Engineer, Manager
Arizona Dept. of Transportation
Roadway Engineering Group
205 S. 17th Ave. Phoenix, AZ 85007, MD 634E
Tel (602) 712-8660
Fax (602) 712-3161